

For Gate City WOOD Awning
Windows see Sweet's $\frac{5c}{Ga}$

Gate City

Permanized

ALUMINUM AWNING WINDOWS



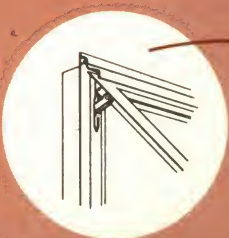
*...the New
Standard for
Aluminum
Awning Windows!*



Feature for Feature, the new Gate City Aluminum Awning Window is SUPERIOR!

"NO-SPLASH" RAIN PROTECTION

There is no crack above the top vent, for all sash swing out from concealed fixed-hinges. Even during showers this awning window can stay open with no danger of back-splash over the top vent.



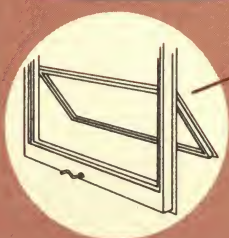
SELF-ADJUSTING SASH ARMS

Compensating screws and need for manual adjustment have been entirely eliminated by exclusive split-quadrant sash arms enclosed in jambs. Sash are automatically adjusted for perfect closure, always.



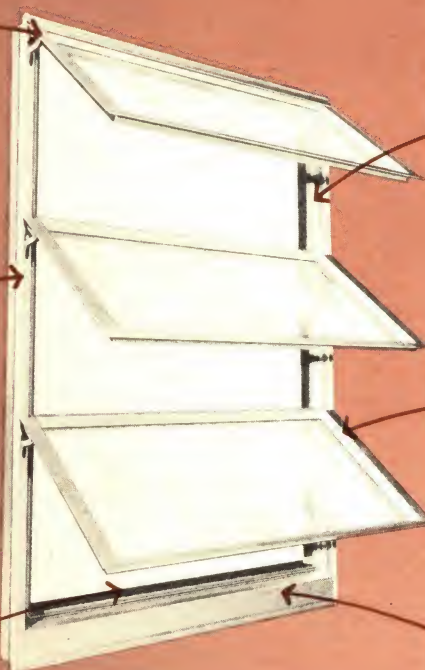
COMPLETELY ENCLOSED HARDWARE

Open or closed, no unsightly projecting arms, locking devices or operating mechanism mar the clean lines of this window. Easily removed cover plates expose all hardware for inspection and oiling.



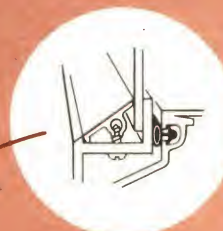
LASTING PERMANIZED FINISH

Gate City's particular etch and lacquer treatment provides assured resistance to discoloration. Its effectiveness has been proven by exhaustive tests... the smooth, satin finish will withstand the elements through the years!



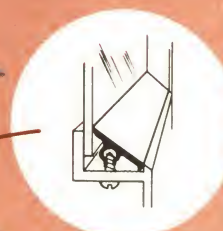
COMPLETE WEATHERSTRIPPING

Tough, resilient Vinyl is factory applied at jambs, sill and meeting rails. It is firmly squeezed between sash and frame at all points of contact to form a positive, weather-tight seal.



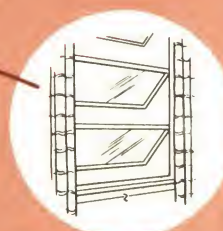
ALUMINUM STRIP GLAZING

The use of extruded aluminum glazing strips eliminates putty problems, adds tremendously to the rigidity of the sash, and permits factory glazing before delivery. The strips are secured by hidden, yet easily accessible, screws.



EASY OPERATION

Specially designed gearing in the dual-action hardware equalizes the lifting effort regardless of sash angle. The center-located handle is equally suited to over or under stool installation, and in neither case interferes with drapes or blinds.



All units will take insulated glass, or storm sash are available if desired. Fixed Sidelight units and Picture Window frames are available for combining with operating windows of all standard sizes. Fixed Sash, with same glass opening and Sight Lines as operating units, are also available.

OPTIONAL MOTORIZED OPERATION WITH PUSH-BUTTON CONTROL

For clerestory or otherwise inaccessible installations in all classes of construction—and for all openings in finer homes and institutional buildings—the Gate City Aluminum Awning Window with motorized operation has no equal. This unit may be controlled at the window opening or from any location in the building.

See page 7 for additional information.

The new Gate City Aluminum Awning Window is the result of extensive research, study and experimentation... based on the company's fourteen-year experience in producing the nation's best wood awning window. Gate City's entry into the aluminum field was prompted by the widely expressed need for a really adequate awning type

in aluminum, and the Gate City Window now being offered to the national market fully answers that need. On all points of appearance, function and durability, it sets a new standard for Aluminum Awning Windows... far superior to any other.

You can specify Gate City with confidence!



The NEW Gate City Aluminum Awning Window
was designed to set a standard, not to meet a price...
and its combination of unique features can be found
in no other stock metal window anywhere!

HERE'S WHAT THEY MEAN TO YOU AND YOUR CLIENTS...

★ **BEAUTY** — Completely enclosed hardware, absence of projecting arms and locking devices, smart design and careful workmanship provide clean architectural lines and pleasing appearance from all angles, inside and out, open or closed.

★ **FUNCTIONAL SUPERIORITY** — Fixed-hinge awning-type operation, highly efficient weatherstripping and dependable dual-action hardware provide maximum use advantages and easy operation.

★ **TROUBLE-FREE SERVICE** — Exclusive self-adjusting sash arms, extruded aluminum strip glazing and lasting permanized finish assure a lifetime of tight closure, even sash alignment and unblemished appearance . . . without adjustment or undue maintenance.

It is the window for better homes and institutional buildings
...the window that will measure up in every way to the
finest plans you will ever draw.



WINDOW SPECIFICATIONS

GENERAL: Aluminum Awning Windows as manufactured by the Gate City Sash and Door Company, Fort Lauderdale, Florida.

MATERIAL: Extrusions shall be specially designed aluminum shapes of 63S-T5 alloy having an ultimate tensile strength of not less than 22,000 p.s.i., with a thickness of .125" for sash members and .095" for supporting frame members. Frame sections shall have a minimum depth of 3-1/16" and sash sections a depth of 1". All dimensions subject to aluminum manufacturer's tolerances. Stainless steel or nylon bushings shall be used at all critical points, and the operating mechanism screws, rivets, etc., within the frame members, shall be of aluminum alloys.

CONSTRUCTION: Sash shall be neatly fitted and peened at each corner. Frame corners shall have reinforcing plates for added rigidity and be connected securely with machine screws. Window frame, sash and working parts shall be completely assembled at factory. Sash shall be glazed at the factory by means of mechanically secured extruded aluminum glazing strips, with glass bedded in a high grade glazing compound or other suitable material. All operating mechanism shall be concealed within the jamb and sill sections of the frame, and all sash shall operate simultaneously.

HARDWARE: Operator shall be center located and easily adapted to installation above or below the stool. The exclusive feature of compensatory adjusting sash arms for automatic tight closure of sash without warping, entirely eliminating compensation screws, shall be standard in all units. All sash shall be hinged at top to swing out, with fixed-hinges concealed in jambs. The operator worm and gears shall be grease packed in an aluminum housing, and shall consist of a hand-crank powered worm gear actuating a large gear within the housing. A gear of smaller diameter, but with greater tooth surface, shall be attached to the same

shaft as the large gear and engage the gear racks on each side so that when the worm turns the gear, the racks travel in opposite directions horizontally within the sill. The bearing surface between these racks and the operator housing shall be nylon channels. All operating hardware shall be concealed within the side jambs and sill, and shall apply equal power at both jambs to open and close the sash. Crank shaft shall be of hexagonal aluminum with handle of nylon or other suitable material.

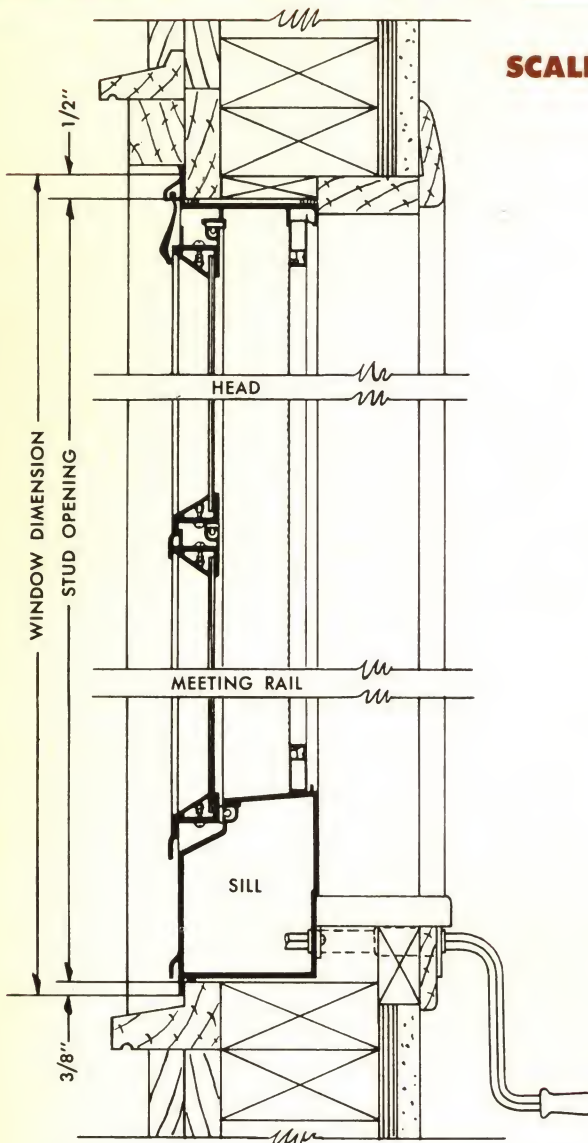
WEATHERSTRIPPING: Weatherstripping shall be resilient vinyl or equivalent, and shall be placed in sash and frame retainer grooves so that closure of sash provides positive weather-break contact. It shall be designed so that it will be easy to apply but difficult to remove. All units shall be completely weatherstripped at the factory in this manner at head, side jambs, sill and meeting rails.

FINISH: After machining, all portions of frame, sash and glazing strips shall be thoroughly cleaned, etched and coated with a clear methacrylate lacquer.

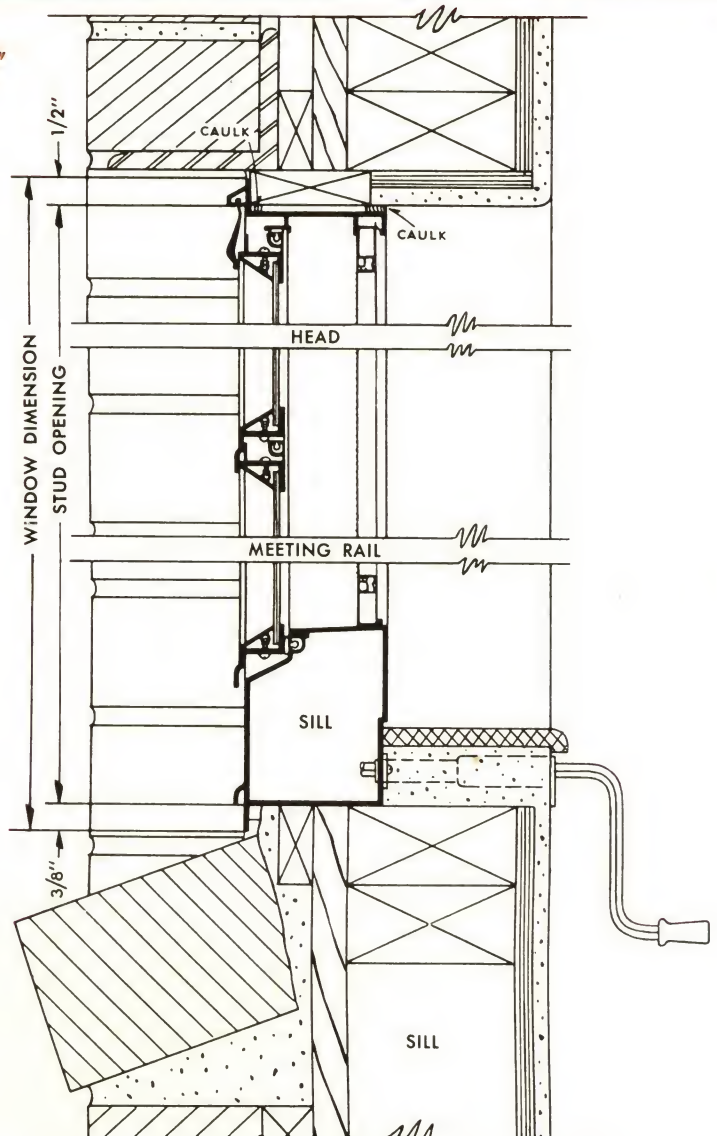
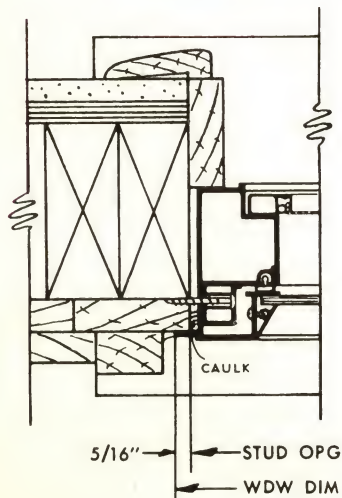
SCREENS: Frames shall be made from rolled aluminum with mitered corners joined with aluminum corner angles. Screen cloth shall be 18-14 aluminum mesh held in place with aluminum or plastic splines. All parts of the screen frame shall be cleaned, etched and lacquered.

INSTALLATION: All units shall be factory assembled and glazed, to be installed in the walls after masonry work is completed. The windows shall be installed by the building contractor who, prior to actual installation, shall give all window parts which will be in contact with concrete or masonry a heavy coating of bituminous paint. The frames shall be caulked and anchored in place true, plumb and square; shimmed as necessary to prevent distortion.

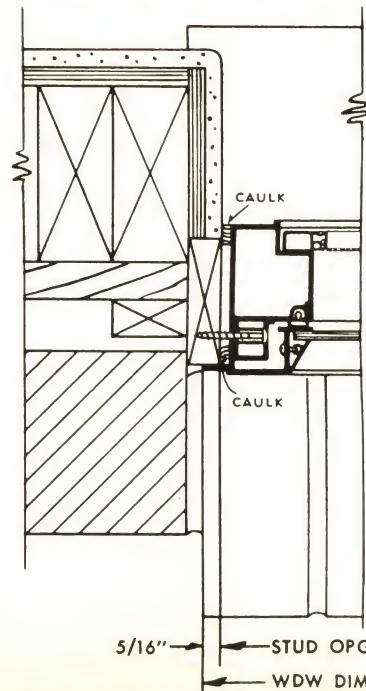
SCALE 3"=1'0"

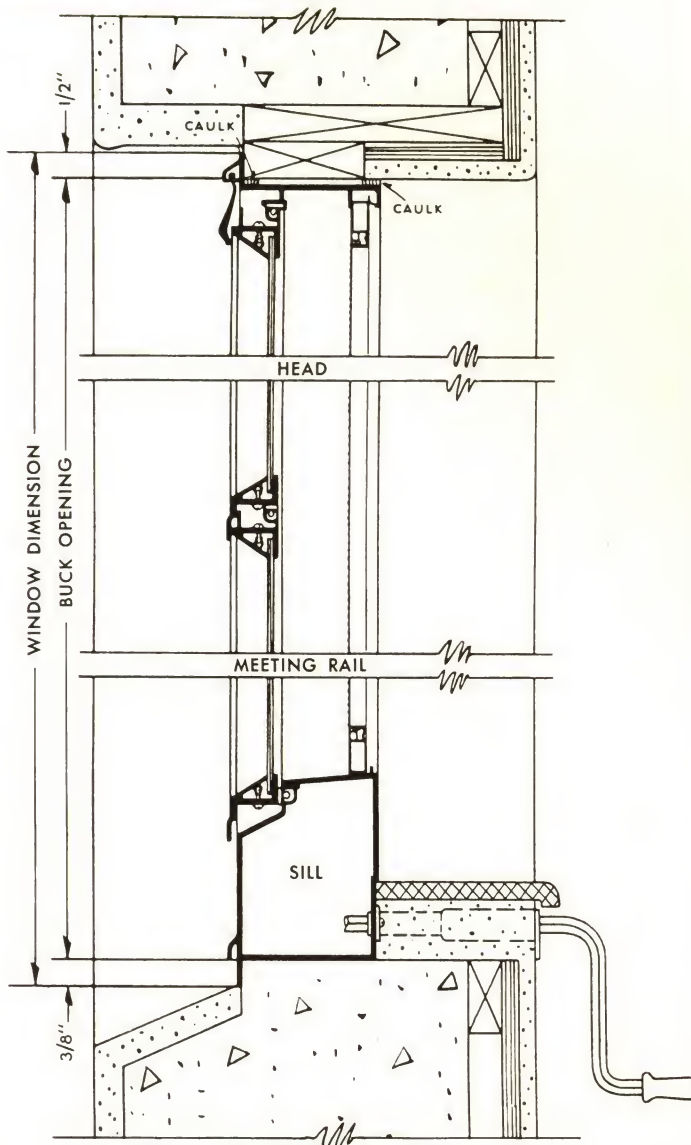


FRAME

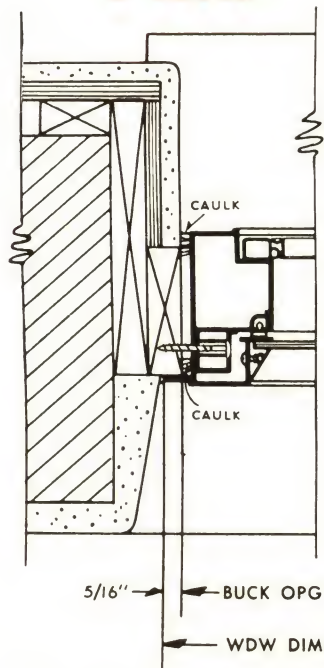


BRICK VENEER

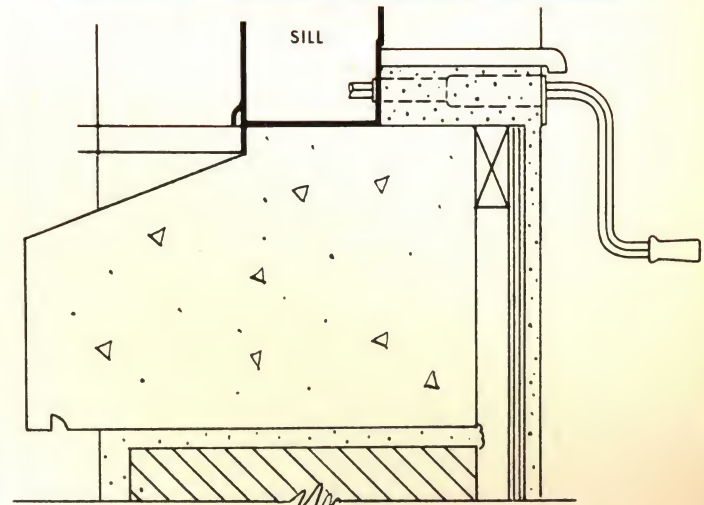




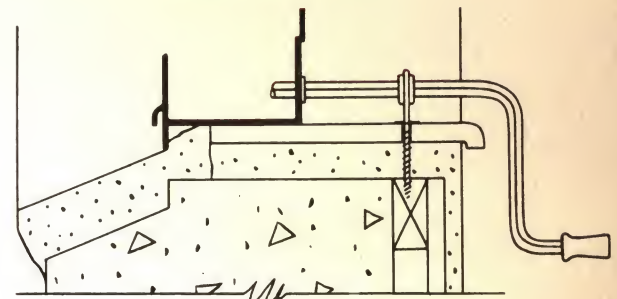
8" BLOCK



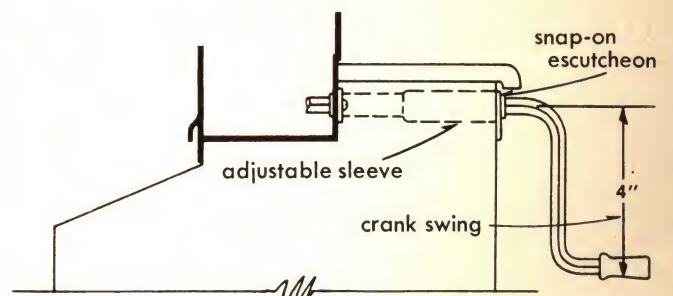
SPECIAL CONDITIONS



PRE-CAST SILL



ALTERNATE SILL DETAIL



ADJUSTABLE SLEEVE

The adjustable sleeve (with snap-on escutcheon) should be specified in all cases where tile or masonry sills are to be used with under-sill operation.

CRANK SWING CLEARANCE

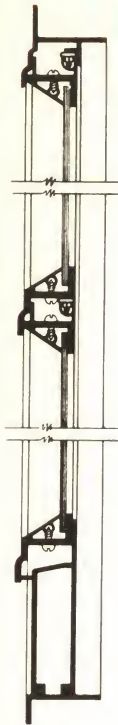
A minimum clearance of 5" should always be allowed below point where operator crank enters sill (actual crank swing measures 4").

FIN INSTALLATION

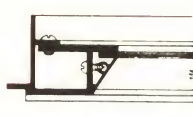
Windows can be furnished with mounting fins when desired according to specifications for the particular situation.

**FIXED SASH
and SIDE LIGHTS**

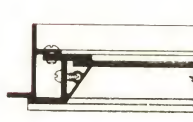
SCALE 3"=1'0"



VERTICAL SECTION
FIXED SASH
and SIDE LIGHT



JAMB SECTION
FIXED SASH

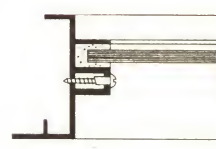


JAMB SECTION
SIDE LIGHT

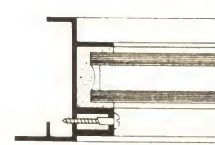


VERTICAL SECTION
PLATE GLASS FRAME

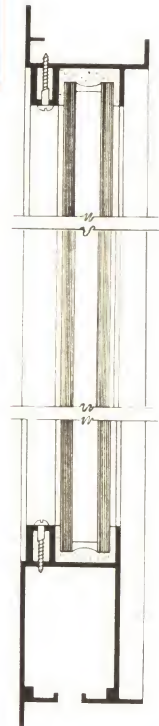
**PICTURE WINDOW
FRAMES**



JAMB SECTION
PLATE GLASS FRAME

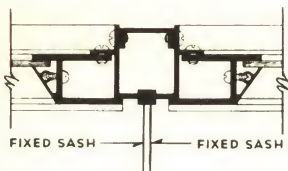


JAMB SECTION
PLATE GLASS FRAME
with 1" Insulated Glass

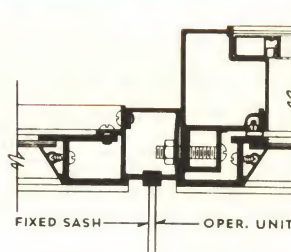


VERTICAL SECTION
PLATE GLASS FRAME
with 1" Insulated Glass

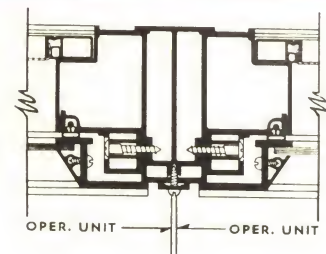
MULLION DETAILS



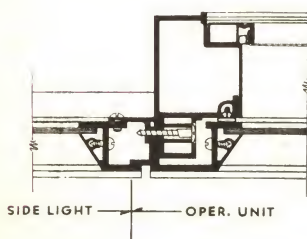
MULLION BETWEEN
FIXED SASH



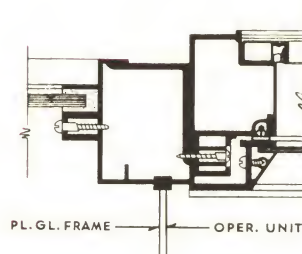
MULLION BETWEEN
FIXED SASH and
OPERATING UNIT



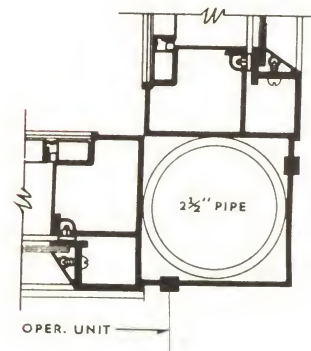
MULLION BETWEEN
OPERATING UNITS



MULLION BETWEEN
SIDE LIGHT and
OPERATING UNIT

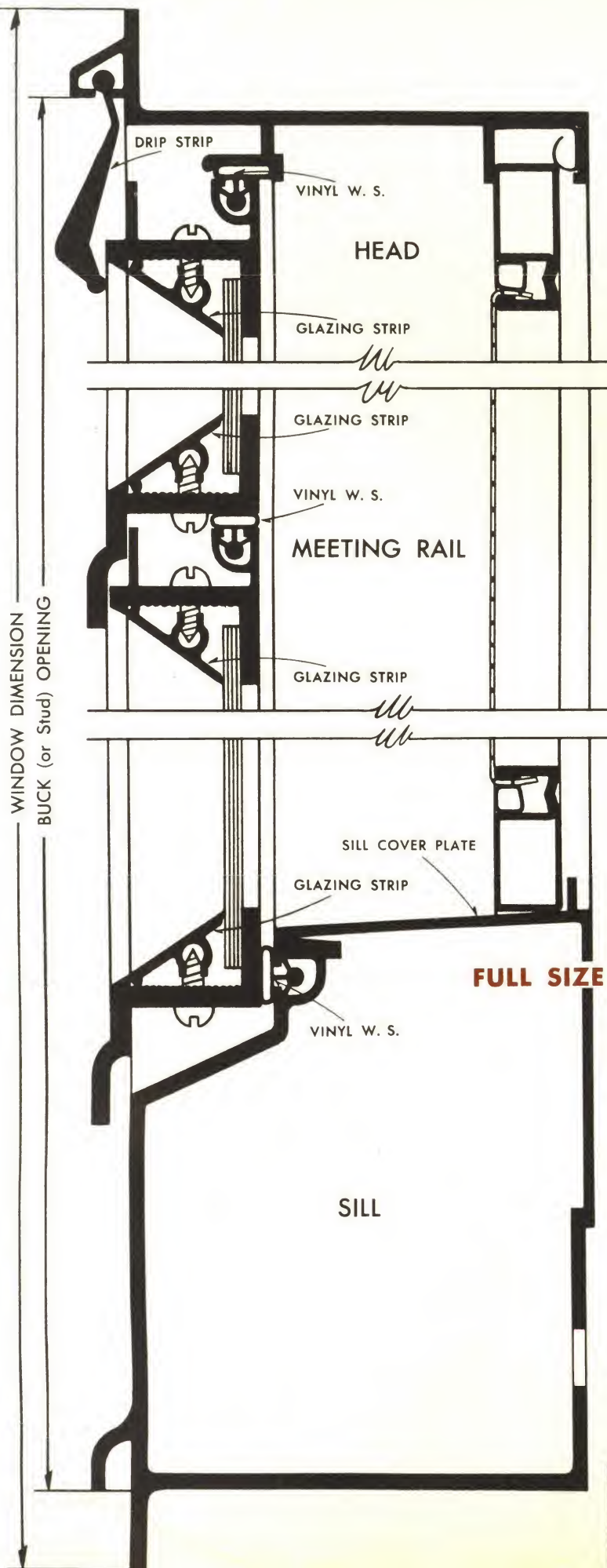


MULLION BETWEEN
OPERATING UNIT and
PLATE GLASS FRAME

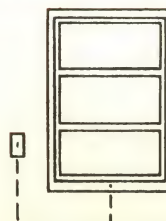


CORNER MULLION

★ All standard operating units will take 1/2" Insulated Glass, but such intent should be specified even when sash are to be furnished unglazed so that proper glazing strips can be included with order. Picture window units are designed to receive either 1/4" Plate Glass or Insulated Glass up to and including 1" thickness.



MOTOR OPERATED WINDOWS



**Open and close
with the flick
of a switch!**

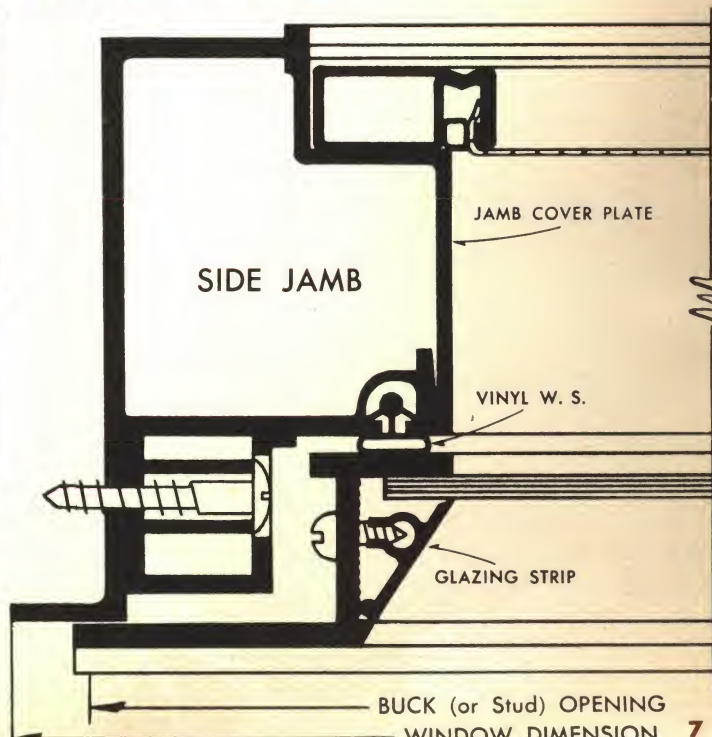
Motor-operated units are available in any of our standard sizes ... the motor and clutch mechanism are very compact and fit into the same identical frame used for the regular crank-operated model. The control switch may be located at the window opening or in any remote position in the building. It is possible to have master switches installed for controlling all windows on one wall, room, or entire floor. In case the electricity should go off, the clutch disengages the motor drive gears to permit hand-crank operation.

In addition to finer homes and institutions, there are many practical, advantageous uses for the motorized unit ...

- ★ Clerestory installations in any structure.
- ★ Inaccessible installations over high or deep cabinets.
- ★ Windows that go to floor with no room for crank.
- ★ Large banks of windows in school gyms and auditoriums.
- ★ Hotels, motels and other rental property.
- ★ Mental Hospitals, Psychiatric Wards and Penal Institutions.
- ★ Sick rooms, where invalids may control own ventilation.

NOTE: Motorized Units in 20" widths will have crank hole 3" off center. Insulated glass should not be used with motorized units larger than 3-44-15 and 4-32-15.

FULL SIZE WINDOW DETAILS



SCHEDULE OF STANDARD TYPES AND SIZES

SIZES are shown for both Buck (or Stud) Opening and Window Dimension.

TYPES shown indicate in order: number of vents, exact width of glass, and exact height of glass.

1'-11 $\frac{1}{4}$ " 1'-11 $\frac{7}{8}$ "	2'-11 $\frac{1}{4}$ " 2'-11 $\frac{7}{8}$ "	3'-11 $\frac{1}{4}$ " 3'-11 $\frac{7}{8}$ "	5'-11 $\frac{1}{4}$ " 5'-11 $\frac{7}{8}$ "	6'-11 $\frac{1}{4}$ " 6'-11 $\frac{7}{8}$ "		
						1'-8 $\frac{5}{8}$ " 1'-7 $\frac{3}{4}$ "
						3'-0 $\frac{5}{8}$ " 2'-11 $\frac{3}{4}$ "
						4'-4 $\frac{5}{8}$ " 4'-3 $\frac{3}{4}$ "
						5'-8 $\frac{5}{8}$ " 5'-7 $\frac{3}{4}$ "
						7'-0 $\frac{5}{8}$ " 6'-11 $\frac{3}{4}$ "
For MODULAR GRID OPENING add $\frac{1}{8}$ " to Window Dimension						2'-4 $\frac{3}{8}$ " 2'-3 $\frac{3}{4}$ "
			1-44-23	1-44-23 S.L.		

NOTE:

Sidelights are furnished separately for convenient handling.
For multiple openings, add Buck Opening dimensions plus $\frac{3}{4}$ " for each mullion.

Fixed Sash and Sidelight Units are available, but are not carried in stock... prices and delivery information will be furnished on request. (Fixed Sash have same glass opening and sight lines as standard operating units.)

All details and specifications are subject to change without notice.

ENGINEERING SERVICE

Our engineering department will welcome any opportunity to assist you with difficult window problems and details for special conditions. Full scale window details available on request.

GATE CITY SASH & DOOR CO., BOX 901, FORT LAUDERDALE, FLORIDA

FOR ADDITIONAL INFORMATION WRITE, WIRE OR TELEPHONE
GATE CITY SASH & DOOR COMPANY
 BOX 901 — FORT LAUDERDALE, FLORIDA